SP00236 (2018 Specifications:07-01-20) *(This Section requires SP00270,*

 *SP01030, and SP01060 if temporary*

 *fence, seeding or cattle guards*

 *are required.)*

(Use this Section when Agency provided disposal sites are to be included in projects. If more than one disposal site is required subsections may be copied and edited to reflect the conditions/requirements of each site.)

# SECTION 00236 - AGENCY PROVIDED DISPOSAL SITES

(Follow all instructions. If there are no instructions above a subsection, paragraph, sentence, or bullet, then include it in the project. The specifications may be modified to include project specific specifications, but all additions, deletions, or modifications must be sent to the ODOT Technical Resource and State Specifications Engineer for review and approval.)

Section 00236, which is not a Standard Specification, is included in this Project by Special Provision.

## Description

**00236.00  Scope** - This Work consists of utilizing Agency provided prospective or mandatory disposal sites as the Contractor elects or as required for the construction of the Contract.

 (Use the following subsection .01 as instructed below when the Agency will provide disposal sites. When only one prospective disposal site will be listed, delete "(s)” and “are”. Copy and paste subsection .01(b) as necessary to list more than two prospective disposal sites, but ensure subsections are sequentially labeled (e.g. (a), (b), (c), etc.). Fill in the blanks with the appropriate information. Modify as needed. Delete the language in orange parentheses that does not apply and delete all orange parentheses. Use the source number bullet only if the site is an ODOT identified material site with a recognized source number, otherwise delete.)

[Begin Prospective Disposal Site Option]

**00236.01  Prospective Disposal Site Specific Requirements** - The following prospective disposal site(s) for \_\_(list acceptable material)\_\_\_ , as long as the material does not contain hazardous substances, that may warrant investigation and consideration for use by the Contractor on this Project ***(***is***)*** ***(***are***)*** as follows:

**(a)  Prospective Disposal Site, \_*(name)*\_\_\_\_:**

* **Source Number** - OR- \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Location** - Approximately \_\_\_\_miles \_\_\_(insert location and direction from the project or closest town here)\_ \_\_ on ***(***Interstate***)*** ***(***US***)*** ***(***OR***)*** \_\_\_\_ in the \_\_1/4 of Section \_\_\_, T. \_\_(insert N. or S.)\_\_ , R. \_\_(insert W. or E.)\_\_ W.M.

**Access** - Adjacent \_\_(east, west, north, south)\_\_ of MP \_\_\_\_\_\_ of ***(***Interstate***)*** ***(***US***)*** ***(***OR***)*** \_\_\_\_, \_\_(if off the highway a distance, include travel directions here)\_\_

**Disposal Quantity Limit** - \_\_(Insert the quantity that can be disposed of in this site if there is a limit .)\_\_

**Available Area for Material Disposal of Waste Material:**

* **Existing** - \_\_\_\_\_ acres

**Development** - \_\_\_\_\_ acres

**(b)  Prospective Disposal Site, \_*(name)*\_\_\_\_:**

* **Source Number** - OR- \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Location** - Approximately \_\_\_\_miles \_\_\_(insert location and direction from the project or closest town here)\_ \_\_ on ***(***Interstate***)*** ***(***US***)*** ***(***OR***)*** \_\_\_\_ in the \_\_1/4 of Section \_\_\_, T. \_\_(insert N. or S.)\_\_ , R. \_\_(insert W. or E.)\_\_ W.M.

**Access** - Adjacent \_\_(east, west, north, south)\_\_ of MP \_\_\_\_\_\_ of ***(***Interstate***)*** ***(***US***)*** ***(***OR***)*** \_\_\_\_, \_\_(if off the highway a distance, include travel directions here)\_\_

**Disposal Quantity Limit** - \_\_(Insert the quantity that can be disposed of in this site if there is a limit.)\_\_

**Available Area for Material Disposal of Waste Material:**

* **Existing** - \_\_\_\_\_ acres

**Development** - \_\_\_\_\_ acres

If the Contractor elects not to utilize the above listed disposal site(s) and unless otherwise specifically allowed and subject to the requirements of 00280.05, dispose of materials, classed as waste materials in 00330.41(a)(3) and 00330.41(a)(4), outside and beyond the limits of the Project and Agency controlled property according to 00290.20. Do not dispose of materials on Wetlands, either public or private, or within 300 feet of rivers or streams.

[End Prospective Disposal Site Option]

(Use the following subsection .02 as instructed below for mandatory disposal sites. Delete "(s)"and “are” or parentheses as necessary and fill in all blanks. Copy and paste subsection .02(b) as necessary to list more than two mandatory disposal sites, but ensure subsections are sequentially labeled (e.g. (a), (b), (c), etc.). Delete all orange parentheses. Use the source number bullet only if the source is an ODOT identified material source with a recognized source number, otherwise delete..)

[Begin Mandatory Disposal Site Option]

**00236.02  Mandatory Disposal Site Specific Requirements** - The following mandatory disposal site***(***s***)*** for \_\_(list acceptable material)\_\_\_, as long as the material does not contain hazardous substances, ***(***is***)*** ***(***are***)*** to be used on this Project:

**(a)  Mandatory Disposal Site, \_\_*(name)*\_\_\_:**

* **Source Number** - OR- \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Location** - Approximately \_\_\_\_miles \_\_\_(insert location and direction from the project or closest town here)\_ \_\_ on ***(***Interstate***)*** ***(***US***)*** ***(***OR***)*** \_\_\_ in the \_\_1/4 of Section \_\_\_, T. \_\_(insert N. or S.)\_\_ , R. \_\_(insert W. or E.)\_\_ W.M.

**Access** - Adjacent \_\_(east, west, north, south)\_\_ of MP \_\_\_\_\_\_ of ***(***Interstate***)*** ***(***US***)*** ***(***OR***)*** \_\_\_\_, \_\_(if off the highway a distance, include travel directions here)\_\_

**Disposal Quantity Limit** - \_\_(Insert the quantity that can be disposed of in this site if there is a limit or insert the required quantity.)\_\_

**Available Area for Material Disposal of Waste Material:**

* Existing - \_\_\_\_\_ acres

**Development** - \_\_\_\_\_ acres

(Delete the language in orange parentheses that does not apply and delete all orange parentheses.

If material contains hazardous substances do not dispose of the material in the mandatory disposal site. Dispose of materials that contain hazardous substances according to ***(***Section 00294***)(***00290.20***)***.

**(b)  Mandatory Disposal Site, \_\_*(name)*\_\_\_:**

* **Source Number** - OR- \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Location** - Approximately \_\_\_\_miles \_\_\_(insert location and direction from the project or closest town here)\_ \_\_ on ***(***Interstate***)*** ***(***US***)*** ***(***OR***)*** \_\_\_ in the \_\_1/4 of Section \_\_\_, T. \_\_(insert N. or S.)\_\_ , R. \_\_(insert W. or E.)\_\_ W.M.

**Access** - Adjacent \_\_(east, west, north, south)\_\_ of MP \_\_\_\_\_\_ of ***(***Interstate***)*** ***(***US***)*** ***(***OR***)*** \_\_\_\_, \_\_(if off the highway a distance, include travel directions here)\_\_

**Disposal Quantity Limit** - \_\_(Insert the quantity that can be disposed of in this site if there is a limit or insert the required quantity.)\_\_

**Available Area for Material Disposal of Waste Material:**

* **Existing** - \_\_\_\_\_ acres

**Development** - \_\_\_\_\_ acres

(Delete the language in orange parentheses that does not apply and delete all orange parentheses.

If material contains hazardous substances do not dispose of the material in the mandatory disposal site. Dispose of materials that contain hazardous substances according to ***(***Section 00294***)(***00290.20***)***.

**00236.03  Laws** - Conduct operations within the disposal site according to all applicable State, county, and federal laws including mining and fire laws. Provide, operate, and maintain wildland firefighting equipment appropriate for the current fire levels on-site at all times during all disposal site operations.

**00236.04  Permits** - Copies of the Plans, permits, agreements and the disposal site narrative***(***s***)*** are available for inspection at the Project Manager's office. Operations within the disposal site***(***s***)*** shall conform to the stipulations and conditions of these documents and to all of the requirements of the Contract.

(Fill in the table below with the appropriate permits/plans listed below for each site. Delete the list when finished. Modify the table as needed to add or delete sites.

Department of Geology and Mineral Industries (DOGAMI) Permit

Operating and Reclamation Plan

County Land Use Permit

Intergovernmental Agreement

Cooperative Improvement Agreement

Bureau of Land Management (BLM) Permit

United States Forest Service (USFS) Permit

Division of State Lands (DSL) Permit

Oregon Department of Fish and Wildlife (ODFW) Permit

Oregon Department of Environmental Quality (DEQ) Permit)

|  |  |  |
| --- | --- | --- |
| Subsection | Site Name | Documents |
| ***00236.01(a)*** | ***(name)*** | ***(from list above)*** |
| ***00236.01(b)*** | ***(name)*** | ***(from list above)*** |
| ***00236.02(a)*** | ***(name)*** | ***(from list above)*** |
| ***00236.02(b)*** | ***(name)*** | ***(from list above)*** |

**00236.05  Pre-Work Meeting** - Before occupying a disposal site, attend a pre-work meeting at the disposal site with the Engineer and the following owners or representatives:

(In the table below, select representatives from the following list and fill in the blanks with the contact name(s) and phone number(s) as appropriate for each site. Include the items that apply to each site. Add or delete rows in the table as necessary to list all applicable sources.

ODOT Geologist

ODOT Region Environmental Coordinator

U.S. Forest Service representative(s)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

BLM representative(s) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

County representative(s)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Other \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_)

|  |  |  |
| --- | --- | --- |
| Subsection | Site Name | Contact Names for pre-work meeting |
| ***00236.01(a)*** | ***(name)*** | ***ODOT Geologist******ODOT Region Environmental Coordinator******U.S. Forest Service representative(s)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_******BLM representative(s)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_******County representative(s)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_******Other \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_*** |
| ***00236.01(b)*** | ***(name)*** | ***(from list above)*** |
| ***00236.02(a)*** | ***(name)*** | ***(from list above)*** |
| ***00236.02(b)*** | ***(name)*** | ***(from list above)*** |

**00236.06  Site Occupancy** - Coordinate disposal site occupancy with the Engineer. The disposal site items listed in the table below shall be as shown ***(***and as staked***)***. Do not operate beyond the disposal site Project boundary or in no Work area(s) as shown ***(***and as staked***)*** unless otherwise directed, in writing.

(In the table below, fill in the blank with the appropriate site information listed below for each site. Add or delete rows in the table as necessary to list all applicable sites.

project boundary disposal area(s)

reject fines stockpile scalpings stockpile

oversize storage area overburden storage area(s)

no work area(s) stormwater control berm(s)

safety berm(s) slash disposal area

log deck bench access road(s)

stockpile and processing area

access road(s) sediment fence(s)

straw bale sediment barrier(s))

|  |  |  |
| --- | --- | --- |
| Subsection | Site Name | Site items shown and staked |
| ***00236.01(a)*** | ***(name)*** | ***(from list above)*** |
| ***00236.01(b)*** | ***(name)*** | ***(from list above)*** |
| ***00236.02(a)*** | ***(name)*** | ***(from list above)*** |
| ***00236.02(b)*** | ***(name)*** | ***(from list above)*** |

**00236.07  Site Development** - If proposing changes to a disposal site development plan, submit a site development plan as an unstamped Working Drawing according to 00150.35. Do not begin Work in a disposal site until the site development plan has been approved, in writing, by the Engineer.

Develop a site-specific Erosion and Sediment Control Plan for each disposal site according to 00280.04 and submit it to the Engineer at or before the pre-work meeting. Construct stormwater control berm(s) as shown and as needed to control runoff. Do not allow any materials, including sediments, or Aggregate to enter into waterways or wetlands.

Develop a site-specific Pollution Control Plan for each disposal site according to 00290.30(b), and submit it to the Engineer at or before the pre-work meeting. Include the following requirements in the Pollution Control Plan:

* Do not discharge waste or by-product if it contains any substance in concentrations that could contaminate Soils or result in harm to fish, wildlife, or water sources.

Store all potentially hazardous materials and solid waste in a manner that prevents seepage into the ground or groundwater sources. Lined sumps or pits are allowable options for storage. If pits or sumps are used, construct adequate berms or provide other measures to prevent breaching of the pits or sumps.

For Materials capable of causing water pollution if discharged, locate storage facilities in an area that prevents spillage into waterways or Wetlands.

## Construction

**00236.40  General** - All vehicles and Equipment, prior to entering the site for the first time, and each subsequent time if the vehicle has left the Roadway outside the construction Project limits, shall be steam cleaned of all debris (soil, dirt, plant parts, and vegetative matter) before being brought back to the site. Notify the Engineer before moving each vehicle onto the site. Certify, in writing, that the Equipment has been steam cleaned.

**00236.41  Restrictions and Protection of Resources** - Comply with the following for all operations within the disposal site:

* Protect cultural resources according to 00290.50.

Protect migratory birds according to 00290.36(a).

(Use the following bullet when clearing, grubbing, and overburden removal is required. Modify dates when directed by Environmental Coordinator. If modified dates are different for different sites list the sites and dates or put them in a table.)

Clear trees and shrubs and strip and stockpile soil overburden between September 1 and March 1.

Do not utilize, contaminate, or disperse material from existing stockpiles. If existing stockpiles interfere with the Contractor’s operations, move the stockpiles to other locations within the disposal site area as directed, at no additional cost to the Agency.

(Use the following bullet when specific restrictions are addressed in land use or other permits. If times are different for different sites list the sites and times or put them in a table.)

Limit Equipment operation activities and disposal activities to the hours of \_\_\_:00 a.m. to \_\_\_:00 p.m., Monday through Saturday unless modifications to these hours are requested in writing and approved by the Engineer. Do not conduct any operation on Sundays or legal holidays, as defined in ORS 279C.540.

(Use the following subsection (a) when county owned sites are utilized. Fill in the blank of the first paragraph with the name of the county. Fill in the blanks of the second paragraph with the name of the contact person(s), the county name, and the phone number. Fill in the blank of the third paragraph with the royalty fee amount and unit, for example cubic yard, ton. Be sure to include an anticipated item to pay the county royalty fee.)

**(a)  County Owned Disposal Sites** - This disposal site ***(Name) (subsection)*** is under Agency control through an agreement with the \_\_\_\_\_\_\_\_\_\_\_\_\_ County Department of Public Works. Operations within this disposal site shall conform to the requirements of this agreement, the Plans, and the Specifications.

For information contact \_\_\_\_\_\_\_\_\_\_\_\_\_\_ or \_\_\_\_\_\_\_\_\_\_\_\_\_ at the \_\_\_\_\_\_\_\_\_\_\_\_ County Department of Public Works, at \_\_\_\_\_\_\_\_\_\_\_\_\_, to make arrangements to visit the site.

A $\_\_\_\_\_\_\_\_\_ per \_(unit)\_\_\_ royalty charge for all material imported into the Prospective/Mandatory Site will be deducted from monies due the Contractor in the progress payments.

(Use the following subsection (b) on USDA Forest Service owned sites. Use the appropriate agreement. Delete the agreement that does not apply. Fill in the administrative/road use fee amount and unit in the second paragraph. Be sure to include an anticipated item to pay the fee.)

**(b)  USDA Forest Service Owned Sites** - This disposal site ***(Name) (subsection)*** is under Agency control through a "Contract for the Sale of Mineral Materials" or a "Special Use Permit" agreement with USDA Forest Service. Operations within this disposal site shall conform to the requirements of this agreement, the Plans, and the Specifications.

A $ \_\_\_\_\_\_\_\_ per \_\_\_(unit)\_\_\_ administrative and road use fee charge for disposal of material will be deducted from monies due the Contractor in the progress payments.

(Use the following subsection (c) on BLM owned sites.)

**(c)  Bureau of Land Management Sites** - This disposal site ***(Name) (subsection)*** is under Agency control through a "Free Use Permit" or a "Temporary Use Permit" agreement with the Bureau of Land Management. Operations within this disposal site shall conform to the requirements of this agreement, the Plans, and the Specifications.

(Use the following subsection (d) on privately owned sites. Fill in the appropriate property owner in the blank of the first paragraph. Fill in the property owner contact and phone number in the second paragraph. Fill in the royalty fee amount and unit in the third paragraph. Be sure to include an anticipated item to pay the royalty fee.)

**(d)  Privately Owned ODOT Controlled Sources** - This disposal site ***(Name) (subsection)*** is under Agency control through a lease agreement with \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. Operations within this disposal site shall conform to the requirements of this lease agreement, the Plans, and the Specifications.

For information contact \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ at \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, to make arrangements to visit the site.

A $\_\_\_\_\_\_\_\_\_ per \_\_\_(unit)\_\_\_ royalty charge for all material imported into the Prospective Site will be deducted from monies due the Contractor in the progress payments.

**00236.42  Site Setup** - Before proceeding with Work in the disposal site, the following apply:

(Use the following bullet when fences are required to secure no Work areas. Fill in the blanks with the length, type, and location of fencing. Copy and paste the following bullet as needed. Repeat the bullet for each disposal site that requires fences.)

* For disposal site ***(Name) (subsection)*** construct approximately \_\_\_\_feet of type \_\_\_\_\_\_\_\_\_\_ fencing along \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ the no Work area as shown and as staked. Do not disturb the no Work area.

**(a)  Access:**

(Use the following bullet when road access is to be constructed. Fill in the blank with the disposal site name and subsection. Delete all orange parentheses. Repeat the bullet for each site that requires access road development or maintenance.)

* For disposal site ***(Name) (subsection)*** develop and maintain an access road from the \_\_\_\_\_\_\_\_ to the \_\_\_\_\_\_\_\_ as applicable. Construct this road with a width of 12 feet and reasonably uniform grade, no steeper than a 16 percent grade (1V:6H), for access to the disposal area. An approximate location for development of this road is shown on the Plans. Determine the exact location in the field. Obtain the Engineer's approval before constructing the access road.

(Use the following bullet when realignment and/or widening of an existing access road is required. Insert the road name or number in the first bullet blank and road name or access location in the second bullet blank. Repeat the bullet(s) for each source that requires realignment and/or widening of an existing access road.)

For disposal site ***(Name) (subsection)*** minor realignment and widening of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, to accommodate the Contractor’s operations in the disposal site, are anticipated. An approximate location for the minor realignment and widening Work is shown on the Plans. Determine the exact location in the field. Obtain the Engineer’s approval before performing this Work.

For disposal site ***(Name) (subsection)*** routine road maintenance activities such as grading and watering of the access road do not need review or approval. Maintain or develop drain dips, water bars, road crowning, in-slopes and out-slopes during road maintenance.

(Use the following bullet when a stormwater control berm is required. Repeat the bullet for each site that requires a stormwater control berm.)

For disposal site ***(Name) (subsection)*** using existing, loose and non-stockpiled material or clean soil or a combination of clean soil and rock, construct a stormwater control berm(s). Grade and leave level, all areas of the disposal site disturbed during construction of the stormwater control berm(s). Construct the stormwater control berm 3 feet high, with side slopes of 1V:2H. Provide erosion control protection for the stormwater control berm by placing, with minimal amount of separation, 3‑foot diameter and larger oversize material along the creek-side toe of the berm. Maintain a minimum 10‑foot wide buffer strip between the oversize material of the stormwater control berm and the creek, as detailed on the cross sections. After completion of the stormwater control berm, seed according to 00236.46.

(Use the following bullet when safety berms are required. Repeat the bullet for each site that requires safety berms.)

For disposal site ***(Name) (subsection)*** using overburden or existing, loose and non-stockpiled material or imported or clean soil or a combination of clean soil and rock, construct a safety berm along the top edge of the new disposal area or existing slopes as shown. Maintain a 10‑foot buffer between the top edge of the disposal or slope and the toe of the safety berm. Construct the berm 3 feet high, with side slopes of 1V:2H.

For disposal site ***(Name) (subsection)*** place and arrange straw bales and or sediment fences as shown and according to Section 00280. Maintain a 10‑foot buffer between the toe of the disposed of material slopes and the straw bales.

**(b)  Clearing and Grubbing** - Before stripping of overburden clear and grub all trees within the disposal area and the area to be developed into access roads. Place all logs in the log decks and other woody debris in the slash disposal area as shown ***(***and as staked***)***.

**(c)  Overburden** - Before disposal activity, strip and stockpile all soil overburden within the disposal area to be developed as access road(s). Incorporate grass and small shrubs into the stockpiles. Do not remove grass or small shrubs from the overburden. Place stockpiles in the overburden storage area(s). Maintain a minimum 10‑foot buffer strip between the toe of the overburden storage area(s) and the disposal area. Smooth and contour overburden storage berms to form side slopes no steeper than 1V:2H.

**00236.44   Site Operations** - The following apply during disposal site operations:

* Construct slopes, benches, top, and floor of the disposal area***(***s***)*** as shown.

Track-walk all slopes with a grade at or flatter than 1V:1.5H so that track impressions run parallel to slope contours. Maintain at least 1 3/8-inch tall track grousers.

(Use the following bullet when lift height is required. Insert lift height in the blank. Repeat the bullet for each site that requires lift height.)

For disposal site ***(Name) (subsection)*** place material in Lifts of no more than \_\_\_ feet, and as shown.

To control dust, apply water to disposal site access, haul road(s), and disposal operations.

(Use the following bullet when an off‑site water source may be available. Use only when water rights are obtained or all permits are secured. If the proposed water source is a natural source, include 00290.34(c)(3) water intake screening in the project special provisions if it is required. Repeat the bullet for each site when an off site water source may be available.)

A water source is not available on-site within the disposal site. A possible water source is located at \_\_\_(insert location name, legal description, address, highway and mile point) \_\_\_.

Place only material that is identified as acceptable for this site in the disposal area as shown. Maintain a minimum 10‑foot wide buffer strip between the toe of the disposal area and the property boundary. Smooth and contour the disposal area to form side slopes no steeper than 1V:2H.

(Use the following bullet when an existing road is to be maintained for a prospective site. Fill in the blank with the road name. Repeat the bullet for each prospective disposal site when an existing road is to be maintained.)

For disposal site ***(Name) (subsection)*** if the Contractor chooses to utilize this disposal site, maintain the condition of \_\_\_\_\_\_\_\_ at all times. Provide traffic control related to ingress and egress movements in a manner that allows a safe work zone and safe passage of vehicles.

(Use the following bullet when an existing road is to be maintained for a mandatory site. Fill in the blank with the road name. Repeat the bullet for each mandatory disposal site when an existing road is to be maintained.)

For disposal site ***(Name) (subsection)*** maintain the condition of \_\_\_\_\_\_\_\_ at all times. Provide traffic control related to ingress and egress movements in a manner that allows a safe work zone and safe passage of vehicles.

(Use the following bullet when cattle guards or livestock gates are present. Fill in blank with the appropriate location(s). Repeat the bullet for each site when cattle guards or livestock gates are present.)

For disposal site ***(Name) (subsection)*** maintain the cattle guard and livestock gate \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ into the source at all times.

(Use the following bullet when cattle guard installation is required. Fill in the blank with the appropriate locations(s). Be sure to include cattle guard details on the project detail sheet(s). Repeat the bullet for each site when cattle guard installation is required.)

For disposal site ***(Name) (subsection)*** construct cattle guard(s) at \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ according to details shown.

**00236.45   Site Clean-up** - The following apply at the completion of operations:

Leave no loose material on the site exceeding 1 foot diameter, except as noted below.

(Fill in the blank with the appropriate quantity. Repeat the bullet for stockpiling oversized material for each site when required.)

For disposal site ***(Name) (subsection)*** a maximum of \_\_\_\_\_\_ cubic yards of oversize material with a maximum dimension of 2.5 feet may be stockpiled in the disposal site. Consolidate oversize material as shown.

(Use the bullet below if applicable. Modify as needed. Specify a site subsection and name if necessary.))

Redistribute the stockpiled overburden over the disposed material to a uniform depth as shown.

Pile and burn all construction slash and combustible debris resulting from use and development of the site, including the preexisting refuse identified at the pre-work meeting, even if it is from outside the disposal site project boundary except for grass and small shrubs that are incorporated into the overburden. Comply with all open burning regulations in effect at the time of site occupancy. If burning is not allowed, all construction slash and combustible debris become the property of the Contractor, to be treated as noncombustible and removed from disposal site.

**00236.46  Seeding:**

(In the bullet below, fill in the blank with the appropriate area information listed below. Delete "(s)" or parentheses as appropriate. Delete the list when finished. Repeat the first two bullets for each site if required.

disposal area(s) (If being reclaimed in the operation)

overburden storage area(s)

stormwater control berm(s)

safety berm(s)

soil/scalpings stockpile(s)

bench(es) and access road(s)

other)

* For disposal site ***(Name) (subsection)*** in addition to other areas with soil cover within the site disturbed by the Contractor's operations, stabilize the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ by seeding, mulching, and tackifying, as directed.

For disposal site ***(Name) (subsection)*** provide the following seed mixture:

(Insert seed mix and application rates here. Note: The seed mixture is almost always site specific. )

(In the following bullet, include the third sentence when clover or alfalfa is required, otherwise delete it.)

* Use only certified weed free seed. Provide copies of the certification to the Engineer. Inoculate the clover and alfalfa prior to incorporation into the seed mixture.

Provide straw mulch according to 01030.15(b).

Apply a commercial straw mulch tackifier according to the manufacturer’s directions and at the recommended rate.

Apply seed and mulch according to Section 01030.

If conditions allow and the Contractor chooses, the area may be stabilized by applying seed using a range drill with a roller attachment. All areas seeded with the range drill and roller do not need to be subsequently covered with mulch and tackifier.

All variations to these requirements require written approval by the Engineer.

**00236.47  Site Vacating** - Before vacating the disposal site the following apply:

* Remove all structures, noncombustible debris, and Equipment from the disposal site, even if it was pre-existing, except for grass and small shrubs incorporated into the overburden.

Remove solid waste and hazardous material from the site and dispose of properly. Provide documentary evidence of proper disposal and verify the amount of material removed.

If a spill or dumping has occurred, or is suspected to have occurred, the Contractor shall clean up contaminated materials according to Section 00290. After clean up, the Engineer may, sample and test materials at the spill or dumping locations to verify the cleanup has been completed. If the Engineer’s verification testing demonstrates remaining contamination, the Contractor shall perform additional clean up until the requirements of Section 00290 including 00290.20(g) are met.

Attend a post-work meeting at the disposal site to evaluate disposal site rehabilitation work with the Engineer and attendees listed under 00236.05.

(When a mandatory disposal site is specified and fence or additional Work is required, the additional Work must be measured and paid for in both Section .80 and .90. When a prospective disposal site is specified, fence and additional Work is considered incidental to the prospective disposal site.)

## Measurement

**00236.80  Measurement**- No measurement of quantities will be made for Work performed under this Section ***(***except for ***(***seeding***)***, ***(***temporary fence***)***, ***(***and***)*** ***(***cattle guard***)*** in mandatory disposal area(s)***)***.

(Use the following paragraph when a mandatory disposal site is specified and seeding is required.)

Seeding will be measured according to 01030.80.

(Use the following paragraph when a mandatory disposal site is specified and temporary fence, not orange plastic mesh fence, is required.)

Temporary fence will be measured according to 00270.80.

(Use the following paragraph when a mandatory disposal site is specified and a cattle guard is required.)

Cattle guards will be measured according to 01060.80.

## Payment

(If mandatory disposal site is specified and seeding, temporary fence and/or cattle guard is required, delete the language in orange parentheses that does not apply and delete all orange parentheses.)

**00236.90  Payment** - No separate or additional payment will be made for Work performed under this Section. Payment will be included in payment made for the appropriate items under which this Work is required ***(***except for ***(***seeding***)***, ***(***temporary fence***)***, ***(***and***)*** ***(***cattle guard***)*** in mandatory disposal area(s)***)***.

(Use the following paragraph when a mandatory disposal site is specified and seeding is required.)

Seeding will be paid for according to 01030.90.

(Use the following paragraph when a mandatory disposal site is specified and temporary fence, not orange plastic mesh fence, is required.)

Temporary fence will be paid for according to 00270.90.

(Use the following paragraph when a mandatory disposal site is specified and a cattle guard is required.)

Cattle guards will be paid for according to 01060.90.